

iCRT 14

Catalog No: tcsc3178



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

677331-12-3

Formula:

$C_{21}H_{17}N_3O_2S$

Pathway:

Stem Cell/Wnt

Target:

Wnt

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 29 mg/mL (77.24 mM)

Observed Molecular Weight:

375.44

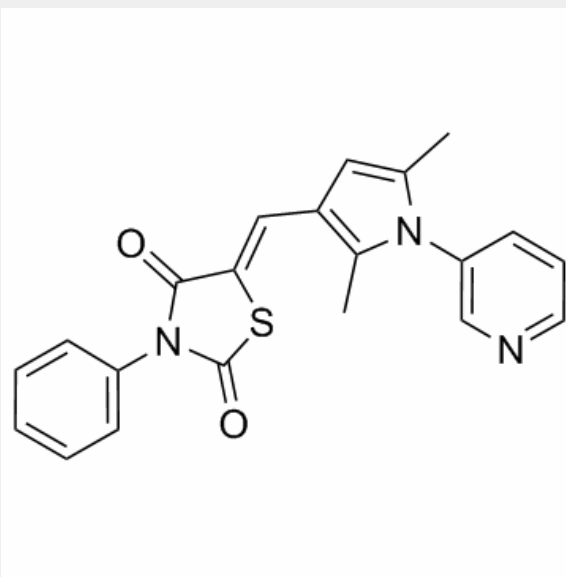
Product Description

iCRT 14 is a novel potent inhibitor of **β -catenin-responsive transcription (CRT)**, with **IC₅₀** of 40.3 nM against Wnt responsive STF16 luciferase.

IC50 & Target: IC50: 40.3 nM (Wnt responsive STF16 luciferase)^[1]

In Vitro: iCRT14 can interfere with TCF binding to DNA in addition to its ability to influence TCF- β -cat interaction^[1]. iCRT14 (10, 25, 50 μ M) effectively inhibits cell proliferation in BT-549 cells in a dose- and time-dependent manner, but still less potent than iCRT3^[2].

In Vivo: iCRT14 (50 mg/kg, i.p.) markedly decreases CycD1, proliferation of the tumors in HCT116 xenografts^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!